*International Journal of Mass Spectrometry and Ion Processes* 126 (1993) 221
Elsevier Science Publishers B.V. All rights reserved


# AUTHOR INDEX


Allmaier, G. 211

Bandong, B.B. 37
Baptista, G.B. 59
Barros Leite, C.V. 59
Bennich, H. 137
Bouchonnet, S. 163
Brunelle, A. 65
Bunk, D.M. 123

Caroff, M. 187
Chaurand, P. 65
Curdes, B. 101
Curdes, J. 101

Dahl, L.F. 197
Della-Negra, S. 45, 65
Deprun, C. 187
Despeyroux, D. 95
Duschner, H. 191
da Silveira, E.F. 59

Ens, W. 75, 115

Fritsch, H.-W. 157, 191

Gonçalves, A.C.M. 59
Grey Craig, A. 137

Hayn, G.v. 45
Hilf, E.R. 25, 101
Hill, B.M. 37
Hoppilliard, Y. 163
Horvat, V. 37
Huang, Y. 197
Hughes, J.M. 197

Jennings, K.R. 95
Jeronymo, J.M.F. 59
Johnson, R.E. 17
Jungclas, H. 157, 191

Karibian, D. 187
Koerber, S.C. 137
Köhl, P. 157, 191

Le Beyec, Y. 45, 65
Lewis, G.J. 197

Macfarlane, R.D. 123, 197
Mahoney, J.F. 85
Martens, J. 75
Matthäus, R. 45
Mauriac, C. 163
McNeal, C.J. 197
Moshammer, R. 45

Parilis, E.S. 85
Perel, J. 85
Pinho, R.R. 59
Poppe-Schriemer, N. 115

Rivier, J.E. 137
Ruatta, S.A. 85

Sampoll, G. 37
Schmid, E.R. 211
Schmidt, L. 157, 191
Smit, V. 179
Standing, K.G. 75, 115
Sundqvist, B.U.R. 1

Tjaden, U.R. 179
Tombrello, T.A. 11
Tuszynski, W. 101, 151

Van der Greef, J. 179
Van Veelen, P.A. 179
Verentchikov, A. 75

Wagner, M. 101
Watson, R.L. 37
Westmore, J.B. 115
Wien, K. 45, 101
Wohrer, K. 37
Wright, A.D. 95

Zhou, J. 115

*International Journal of Mass Spectrometry and Ion Processes* 126 (1993) 223–225
Elsevier Science Publishers B.V. All rights reserved


# SUBJECT INDEX


Aggregation
Molecular fragmentation and formation processes in plasma desorption mass spectrometry 101
Alkanes
Molecular fragmentation and formation processes in plasma desorption mass spectrometry 101
Alpha particles
Ionization of noble gas atoms by alpha particles and fission fragments from the decay of $^{252}$Cf 37
Analyte–analyte interactions
Applications of matrix-assisted techniques in plasma desorption mass spectrometry 15

Backbone cleavage
A strategy to assign a series of fragment ions: investigation of fragment ions involving peptide side chain and backbone cleavage 137
Biomolecules
Mechanisms for the desorption of large organic molecules. Part 2 17
*Bordetella pertussis*
Analysis by $^{252}$Cf plasma desorption mass spectrometry of *Bordetella pertussis* endotoxin after nitrous deamination 187

Californium-252
Ionization of noble gas atoms by alpha particles and fission fragments from the decay of $^{252}$Cf 37
$\beta$-Carotene
Molecular fragmentation and formation processes in plasma desorption mass spectrometry 101
CID
Comparison of collision-induced dissociation and surface-induced dissociation mass spectra of peptides obtained using a four-sector mass spectrometer 95
Cluster degradation
Approaches to plasma desorption mass spectrometry by some theoretical physics concepts 25
Cluster production
Approaches to plasma desorption mass spectrometry by some theoretical physics concepts 25

Desorption
Molecular fragmentation and formation processes in plasma desorption mass spectrometry 101
Detection
Detection of large molecular ions by secondary ion and secondary electron emission 75
Disulfide bridges
Cleavage of interchain disulfide bonds following matrix-assisted laser desorption 115
Doxorubicin
Quantitative matrix assisted plasma desorption mass spectrometry 157

Electronic effects
Secondary ion emission from various metals and the semiconductors Si and GaAs induced by mega-electron-volt ion impact 45
Enamel
Application of $^{252}$Cf plasma desorption mass spectrometry in dental research 191
Etoposide
Quantitative matrix assisted plasma desorption mass spectrometry 157

Fast electrons
The role played by fast electrons in heavy-ion-induced desorption and track formation 11
Fission fragments
Ionization of noble gas atoms by alpha particles and fission fragments from the decay of $^{252}$Cf 37
Fluorides
Application of $^{252}$Cf plasma desorption mass spectrometry in dental research 191
Four sector mass spectrometer
Comparison of collision-induced dissociation and surface-induced dissociation mass spectra of peptides obtained using a four-sector mass spectrometer 95
Fragment ions
A strategy to assign a series of fragment ions: investigation of fragment ions involving peptide side chain and backbone cleavage 137
Fragmentation
Characterization of high nuclearity close-packed anionic platinum carbonyl clusters by $^{252}$Cf plasma desorption mass spectrometry 197
Derivatization to enhance sequence-specific fragmentation of peptides and proteins 123

Fullerenes
Molecular fragmentation and formation processes in plasma desorption mass spectrometry 101

Guanidination
Derivatization to enhance sequence-specific fragmentation of peptides and proteins 123

High mass
Characterization of high nuclearity close-packed anionic platinum carbonyl clusters by $^{252}Cf$ plasma desorption mass spectrometry 197
Human interleukin-3
$^{252}Cf$ plasma desorption mass spectrometry in combination with protease treatment for localizing a non-linear zinc binding domain in human interleukin-3 179

Ion track structure
Ion track structure probed by plasma desorption mass spectrometry 1
Ion-induced desorption
The role played by fast electrons in heavy-ion-induced desorption and track formation 11

Langmuir–Blodgett films
Mechanisms for the desorption of large organic molecules. Part 2 17
Laser desorption
Cleavage of interchain disulfide bonds following matrix-assisted laser desorption 115
Lipopolysaccharides
Analysis by $^{252}Cf$ plasma desorption mass spectrometry of *Bordetella pertussis* endotoxin after nitrous deamination 187

Macroscopic modeling
Approaches to plasma desorption mass spectrometry by some theoretical physics concepts 25
Matrix assisted laser desorption
Detection of large molecular ions by secondary ion and secondary electron emission 75
Matrix effects
Matrix effects in plasma desorption mass spectrometry 163
Matrix-assisted techniques
Applications of matrix-assisted techniques in plasma desorption mass spectrometry 151
Mega-electronvolt ion impact
Secondary ion emission from various metals and the semiconductors Si and GaAs induced by mega-electronvolt ion impact 45
Mega-electronvolt neutral beams
Time-of-flight mass spectrometry using mega-electronvolt neutral beams 59

Metallocenes
Californium-252 plasma desorption mass spectrometry as a tool for studies of metallocenes 211
Microscopic modeling
Approaches to plasma desorption mass spectrometry by some theoretical physics concepts 25
Molecular dynamics
Approaches to plasma desorption mass spectrometry by some theoretical physics concepts 25

Noble gases
Ionization of noble gas atoms by alpha particles and fission fragments from the decay of $^{252}Cf$ 37

Peptides
Comparison of collision-induced dissociation and surface-induced dissociation mass spectra of peptides obtained using a four-sector mass spectrometer 95
Derivatization to enhance sequence-specific fragmentation of peptides and proteins 123
Phosphonium
Derivatization to enhance sequence-specific fragmentation of peptides and proteins 123
Plasma desorption mass spectrometry
Analysis by $^{252}Cf$ plasma desorption mass spectrometry of *Bordetella pertussis* endotoxin after nitrous deamination 187
Application of $^{252}Cf$ plasma desorption mass spectrometry in dental research 191
Applications of matrix-assisted techniques in plasma desorption mass spectrometry 151
Approaches to plasma desorption mass spectrometry by some theoretical physics concepts 25
Californium-252 plasma desorption mass spectrometry as a tool for studies of metallocenes 211
Characterization of high nuclearity close-packed anionic platinum carbonyl clusters by $^{252}Cf$ plasma desorption mass spectrometry 197
$^{252}Cf$ plasma desorption mass spectrometry in combination with protease treatment for localizing a non-linear zinc binding domain in human interleukin-3 179
Derivatization to enhance sequence-specific fragmentation of peptides and proteins 123
Ion track structure probed by plasma desorption mass spectrometry 1
Matrix effects in plasma desorption mass spectrometry 163
Mechanisms for the desorption of large organic molecules. Part 2 17
Molecular fragmentation and formation processes in plasma desorption mass spectrometry 101
Quantitative matrix assisted plasma desorption mass

spectrometry 157
Surface secondary electron and secondary ion emission induced by large molecular ion impacts 65
Platinum carbonyl clusters
Characterization of high nuclearity close-packed anionic platinum carbonyl clusters by $^{252}Cf$ plasma desorption mass spectrometry 197
Post-acceleration dynodes
Improving positive ion detection by reduction of the work function of post-acceleration dynodes 85

Secondary electron emission
Detection of large molecular ions by secondary ion and secondary electron emission 75
Improving positive ion detection by reduction of the work function of post-acceleration dynodes 85
Surface secondary electron and secondary ion emission induced by large molecular ion impacts 65
Secondary ion emission
Detection of large molecular ions by secondary ion and secondary electron emission 75
Improving positive ion detection by reduction of the work function of post-acceleration dynodes 85
Surface secondary electron and secondary ion emission induced by large molecular ion impacts 65
Side chain cleavage
A strategy to assign a series of fragment ions: investigation of fragment ions involving peptide side chain and backbone cleavage 137
Sputtering of metals
Secondary ion emission from various metals and the semiconductors Si and GaAs induced by mega-electronvolt ion impact 45
Surface-induced dissociation
Comparison of collision-induced dissociation and surface-induced dissociation mass spectra of peptides obtained using a four-sector mass spectrometer 95

Time of flight
Californium-252 plasma desorption mass spectrometry as a tool for studies of metallocenes 211
Cleavage of interchain disulfide bonds following matrix-assisted laser desorption 115
Detection of large molecular ions by secondary ion and secondary electron emission 75
Time-of-flight mass spectrometry using mega-electronvolt neutral beams 59
Track formation
The role played by fast electrons in heavy-ion-induced desorption and track formation 11

Unimolecular dissociation
Cleavage of interchain disulfide bonds following-matrix-assisted laser desorption 115

Zinc binding
$^{252}Cf$ plasma desorption mass spectrometry in combination with protease treatment for localizing a non-linear zinc binding domain in human interleukin-3 179